

TRUCKEE RIVER BASIN, LAKE TAHOE

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA

LOCATION.—Lat 39°07'56", long 120°09'24", in NW ¼ SE ¼ sec.24, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on right bank, 165 ft downstream from State Highway 89 Bridge, 2.1 mi north of Tahoe Pines, and 2.6 mi southwest of Tahoe City.

DRAINAGE AREA.—9.70 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1972 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,230 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for estimated daily discharges, which are fair. Minor diversion for local water supply upstream from station.
 See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 2,530 ft³/s, Jan. 1, 1997, gage height, 9.36 ft; no flow for many days during several years.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 100 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 27	1915	137	5.37	May 4	1830	198	5.58

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	e0.95	1.4	e2.1	2.7	e4.1	40	84	62	15	1.5	0.74
2	0.45	1.1	1.7	e2.1	3.3	e4.1	35	102	62	14	1.5	0.71
3	0.48	1.1	1.6	e2.1	3.4	e4.2	40	121	61	12	1.5	0.82
4	0.49	1.0	1.6	e3.1	2.8	5.0	53	139	57	10	1.4	0.88
5	0.50	1.1	3.2	e2.8	3.0	4.9	67	138	54	9.3	1.4	0.89
6	0.46	1.1	e4.7	e3.8	2.9	5.2	65	119	53	8.6	1.3	0.85
7	0.45	1.2	e5.7	e4.5	3.3	5.9	62	103	50	8.0	1.3	0.82
8	0.43	1.3	e4.4	e4.5	3.6	6.9	68	100	44	7.2	1.2	0.80
9	0.43	1.5	3.5	e4.2	3.4	8.5	70	91	40	6.6	1.1	0.83
10	0.52	1.3	e4.1	e4.5	3.4	10	68	76	35	6.1	1.1	0.79
11	0.58	1.2	e3.7	e3.8	3.8	12	67	63	33	5.6	1.0	0.74
12	0.59	1.3	e3.4	e3.5	4.0	13	72	55	31	5.0	1.0	0.74
13	0.59	1.3	e3.4	3.1	4.2	15	73	57	32	4.5	1.0	0.77
14	0.61	1.2	e3.4	2.9	3.4	18	61	62	33	4.2	0.97	0.89
15	0.60	1.4	e3.1	2.8	2.8	25	53	65	33	4.0	0.99	0.98
16	0.60	1.3	e3.7	2.8	e6.3	27	46	67	33	3.7	1.0	0.97
17	0.62	1.3	e3.1	2.9	e11	28	41	70	32	3.4	0.97	0.97
18	0.62	1.4	e3.1	2.8	e9.3	34	35	64	30	3.2	0.91	1.0
19	0.66	1.6	2.8	2.8	e7.4	42	32	60	28	3.0	0.87	1.2
20	0.65	1.7	3.5	2.8	e6.5	44	34	58	26	2.8	0.85	1.4
21	0.64	1.5	3.1	2.8	6.4	53	33	55	24	2.6	0.83	1.5
22	0.64	1.4	2.7	2.8	5.9	56	31	56	23	2.5	0.90	1.5
23	0.66	1.4	2.5	2.8	5.6	62	33	56	21	2.3	0.94	1.4
24	0.69	1.3	5.4	2.8	5.5	57	41	54	19	2.2	0.93	1.4
25	0.70	1.2	e5.6	2.8	e5.4	46	51	53	18	2.1	0.88	1.4
26	0.70	1.3	4.8	2.7	e5.2	35	66	54	16	2.0	0.87	1.4
27	0.72	1.6	e4.5	2.7	e4.8	30	89	66	15	1.9	0.84	1.3
28	0.76	1.4	e3.8	2.6	e4.3	29	100	95	13	1.8	0.82	1.3
29	0.75	1.4	e2.8	2.6	e4.2	33	81	68	13	1.7	0.77	1.3
30	0.83	1.4	e3.1	2.7	---	42	75	63	12	1.7	0.74	1.3
31	e0.85	---	e3.5	2.6	---	44	---	63	---	1.6	0.79	---
TOTAL	18.70	39.25	106.9	93.8	137.8	803.8	1682	2377	1003	158.6	32.17	31.59
MEAN	0.60	1.31	3.45	3.03	4.75	25.9	56.1	76.7	33.4	5.12	1.04	1.05
MAX	0.85	1.7	5.7	4.5	11	62	100	139	62	15	1.5	1.5
MIN	0.43	0.95	1.4	2.1	2.7	4.1	31	53	12	1.6	0.74	0.71
AC-FT	37	78	212	186	273	1590	3340	4710	1990	315	64	63

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.88	9.80	11.5	16.3	14.3	21.3	42.9	91.4	72.9	20.9	3.64	1.67
MAX	22.4	73.9	92.5	144	77.7	80.3	89.2	177	265	123	26.9	7.93
(WY)	1983	1982	1982	1997	1982	1986	1989	1996	1983	1983	1983	1983
MIN	0.15	1.06	0.80	1.10	1.24	2.52	8.06	18.7	4.59	1.00	0.00	0.00
(WY)	1978	1978	1977	1991	1991	1977	1975	1977	1992	2001	1977	1977

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1973 - 2004
ANNUAL TOTAL	8690.76	6484.61	
ANNUAL MEAN	23.8	17.7	25.8
HIGHEST ANNUAL MEAN			59.0 1983
LOWEST ANNUAL MEAN			5.29 1977
HIGHEST DAILY MEAN	248	May 29	139 May 4 Jan 1 1997
LOWEST DAILY MEAN	0.37	Sep 28	0.43 Oct 1 0.00 Aug 4 1977
ANNUAL SEVEN-DAY MINIMUM	0.40	Sep 24	0.46 Oct 3 0.00 Aug 4 1977
MAXIMUM PEAK FLOW			198 May 4 2530 Jan 1 1997
MAXIMUM PEAK STAGE			5.58 May 4 9.36 Jan 1 1997
ANNUAL RUNOFF (AC-FT)	17240	12860	18700
10 PERCENT EXCEEDS	59	62	74
50 PERCENT EXCEEDS	8.0	3.4	6.5
90 PERCENT EXCEEDS	0.64	0.78	0.84